

PCT REQUEST



Duplicate of original printed on Thursday, 07 November, 2003 04:42:47 PM

CE10098EP

0	For receiving Office use only			
0-1	International Application No.	PCT/EP 03/50798		
0-3	International Filing Date	(0.7. 11. 03) 0 7 NOV 200		
0-3	Name of receiving Office and "PCT International Application"	EUROPEAN PATENT OFFICE PCT INTERNATIONAL APPLICATION		
0-4	Form - PCT/RO/101 PCT Request	·		
0-4-1	Prepared using	epoline® online filing PCT plug-in (updated 07.11.2003)		
0-6	Petition			
	The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty	·		
0-6	Receiving Office (specified by the applicant)	European Patent Office (EPO) (RO/EP)		
0-7	Applicant's or agent's file reference	CE10098EP		
	Title of invention	A DECODER APPARATUS AND METHOD OF DECODING THEREFOR		
II.	Applicant .			
1-1	This person ts:	applicant only		
1-2	Applicant for	all designated States except US		
14	Name	MOTOROLA INC		
II - 5	Address:	1303 E.Algonquin Road Schaumburg, IL 60196		
		United States of America		
1-6	State of nationality	US		
H7	State of residence	US:		
H8	Telephone No.	01256 790392		
H9	Facsimile No:	01256 811319		
I-10 I-11	e-mail Applicant's registration No. with the	derek mccormack@motorola.com		
11-1	Office Applicant and/or inventor			
	This person is:	applicant and inventor		
	Applicant for	US only		
	Name (LAST, First)	WHINNETT, Nicholas		
- 1	Address:	Leverton House		
		Barnfield		
	•	Marlborough, Wiltshire SN8 2AX		
	·	United Kingdom		
iil-1:-6	State of nationality	GB		
11-1-7	State of residence	GB		





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10-2	Applicant and/or inventor	
JII-2-1	This person is:	applicant and inventor
111-2-2	Applicant for	US only
111-2-4	Name (LAST, First)	WOOD, Steven
III-2-5	Address:	Flat 4
		307 Hotwell Road
		Hotwells, Bristol BS8 4nQ
		United Kingdom
111-2-6	State of nationality	GB
111-2-7	State of residence	GB
III-3	Applicant and/or inventor	
111-3-1	This person is:	applicant and inventor
III-3-2	Applicant for	US only
111-3-4	Name (LAST, First)	YU, Xiaoyong
111-3-5	Address:	Motorola Inc
		1475 W Shure Drive
		Arlington Heights, Il 60004
		United States of America
III-3-6	State of nationality	US
III-3-7	State of residence	US
N-1	Agent or common representative; or	
	address for correspondence The person identified below is hereby/has	agent.
	been appointed to act on behalf of the	
	applicant(s) before the competent International Authorities as:	
IV-1-1	Name (LAST, First)	LITCHFIELD, Laura
IV-1-2	Address:	Motorola European Intellectual Property
		Operations
		Midpoint, Alencon Link
		Basingstoke, Hampshire RG21 7PL
		United Kingdom
IV-1-3	Telephone No.	01256 790384
IV-1-4	Facsimile No.	01256 811319





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V	Designation of States	
V-1	Regional Patent (other kinds of protection or treatment, if any; are specified between parentheses after the designation(s) concerned)	AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW and any other State which is a Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CH&LI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT OA: BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT
V-2:	National Patent	State of the PCT AE AG AL AM AT AU AZ BA BB BG BR BY BZ
V-6	(other kinds of protection or treatment; if any, are specified between parentheses after the designation(s) concerned) Precautionary Designation Statement in addition to the designations made	CA CHELI CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
	under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under then V-6 below. The applicant declares that those	ļ.
	additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit.	
V-6	Exclusion(s) from precautionary.	NONE
VI-1	Priority claim of earlier national	
VI-1-1	Filing date	07 November 2002 (07.11.2002)
VI-1-2	Number	0225975.2
VI-1-3	Country	GB
VII-1	International Searching Authority	European Patent Office (EPO) (ISA/EP)





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TTI T	Declarations	Number of declarations		
VIII-1	Declaration as to the identity of the inventor	-		
VIII-2,	Declaration as to the applicant's entitlement, as at the international fling date, to apply for and be granted a patent	-		
E-IIIV	Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application	- .		
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	_	v	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty		·	
X	Check list	number of sheets	electronic file(s) attached	
X-1	Request (including declaration sheets)	5	-	
X-2	Description	26	spec10.pdf	
х-з	Claims	6	spec10.pdf	
X-4	Abstract	İ	spec10.pdf	
X-2b	Pre-conversion archive	-	-	
X-5	Drawings .	1	draw10.pdf	
X-7	TOTAL	39		
	Accompanying items	paper document(s) attached	electronic file(s) attached	
X-8	Fee calculation sheet		Fees.PDF	
X-19	Figure of the drawings which should accompany the abstract	1		
X-20	Language of filing of the International application	English		
K-1	Signature of applicant, agent or common representative		. !	
X-11	Signed by	Subject: GB, Motorol Issuer: DE, D-Trust EPO 2.0		
X-1-2	Capacity	Authorised Represent	ative (Agent 1)	

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	(0 7. 11.	03)	 07	NOV	2003
10-2	Drawings:					
10-2-1	Received X					
10-2-2	Not received					
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application					





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CE10098EP

10-4	Date of timely receipt of the required corrections under PCT Article 11(2)	
10-5	International Searching Authority	ISA/EP
10-6	Transmittal of search copy delayed until search fee is paid	

FOR INTERNATIONAL BUREAU USE ONLY

-			 	
11-1	Data of regulat of the record come by		 	
1171	Date of receipt of the record copy by			
	the International Bureau	L. C.		
	the international bureau			•







Office européen des brevets

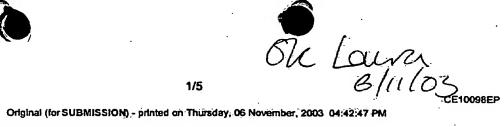
Acknowledgement of receipt

We hereby acknowledge receipt of your request for the processing of an international application according to the Patent Cooperation Treaty as follows:

	P .	
Submission number	9143	
PCT application number	PCT/EP03/50798	
Date of receipt	7 November 2003	
Receiving Office	European Patent Office. The Ha	IQUE.
Your reference	CE10098EP	
Applicant	MOTOROLA INC	
Number of applicants	4	
Country		
Title	A DECODER APPARATUS AN	D METHOD OF DECODING
•	THEREFOR	
Documents submitted	Fees:PDF	Pct101.PDF
	application-body;xml	draw10.pdf
•	fee-sheet:xml	package-data:xml
	pct101.GML	pct101ù GML
	request.xml	spec10.pdf
Submitted by	CN=A. Chambers,O≐Motorola,C	DOCKETED EIPD
Method of submission	Online	0 7 NOV 2003
Date and time receipt	7 Novémber 2003, 10:37:26	NEO 07 NO 2005
generated Digest	BA: 78:-81: E7: C5: 2B: DD: EF: 7B	NAC CHULDOO4
	D:1A: A4	And Cath 200

/European Patent Office/





PCT REQUEST

Ō	For receiving Office use only	
0-1	International Application No.	
0-2	International Filing Date	
0-3	Name of receiving Office and "PCT. International Application"	
0-4	Form - PCT/RO/101 PCT Request	
0-4-1.	Prepared using	epoline® online filing PCT plug-in (updated 06.11.2003)
0-5	Petition	
	The undersigned requests that the present international application be processed according to the Petent Cooperation Treaty	
0-6	Receiving Office (specified by the specified by the	European Patent Office (EPO) (RO/EP)
D-7	Applicant's or agent's file reference	CE10098EP
ļ	Title of Invention	A DECODER APPARATUS AND METHOD OF DECODING THEREFOR
1	Applicant	
11-1	This person is:	applicant only
11-2	Applicant for	all designated States except US
II . 4	Name	MOTOROLA INC
il-5	Address:	1303 E.Algonquin Road Schaumburg, IL 60196 United States of America
II-6	State of nationality	US
II-7	State of residence	US
1-8	Telephone No.	01256 790392
1-9	Facsimile No.	01256 811319
l-10	e-mail	derek.mccormack@motorola.com
l-11	Applicant's registration No: with the	000000
D-1	Applicant and/or Inventor	
SI-1-1	This person is:	applicant and inventor
II-1-2	Applicant for	US only
11-1-4	Name (LAST, First)	WHINNETT, Nicholas
11-1-5	Address:	Leverton House
		Barnfield
•		Marlborough, Wiltshire SN8 2AX United Kingdom
II-1-6:	State of nationality	GB
II-1-7	State of residence	GB





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PCT REQUEST

CE10098EP .

Original (for SUBMISSION) - printed on Thursday, 06 November, 2003 04:42:47 PM

UI-2	Applicant and/or inventor	
11-2-1	This person is:	applicant and inventor
11-2-2	Applicant for	US only
11-2-4	Name (LAST, First)	WOOD, Steven
11-2-5	Address	Flat 4
		307 Hotwell Road
		Hotwells, Bristol BS8 4nQ
		United Kingdom
11-2-6	State of nationality	GB
11-2-7	State of residence	GB
11-3.	Applicant and/or inventor	
111-3-1	This person is:	applicant and inventor
111-3-2:	Applicant for	US only
11-3-4	Name (LAST, First)	YU, Xiaoyong
11-3-5	Address:	Motorola Inc
	,	1475 W Shure Drive
		Arlington Heights, Il 60004
		United States of America
11-3-6	State of nationality	us
11-3-7	State of residence	บร
V-1	Agent or common representative; or address for correspondence	
	The person identified below is hereby/has	agent
	been appointed to act on behalf of the applicant(s) before the competent	
	International Authorities as:	
V-1-1	Name (LAST, First)	LITCHFIELD, Laura
V-1-2	Address:	Motorola European Intellectual Property
	•	Operations
		Midpoint, Alencon Link
		Basingstoke, Hampshire RG21 7PL
		United Kingdom
V-1-3	Telephone No.	01256 790384
V-1-4	Facsimile No.	01256 811319





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PCT REQUEST

Original (for SUBMISSION) - printed on Thursday, 08 November, 2003-04:42:47 PM

Designation of States V-1 Regional Patent AP: GH GM KE LS MW MZ SD SL SZ TZ UG ZM (other kinds of protection or treatment, if ZW and any other State which is a any, are specified between parentheses after the designation(s) concerned) Contracting State of the Harare Protocol and of the PCT EA: AM AZ BY KG KZ MD RU TJ TM and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT EP: AT BE BG CHELI CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR and any other State which is a Contracting State of the European Patent Convention and of the PCT oa: Bf bj cf cg ci cm ga gn go gw ml mr NE SN TD TG and any other State which is a member State of OAPI and a Contracting State of the PCT V-2 National Patent AE AG AL AM AT AU AZ BA BB BG BR BY BZ (other kinds of protection or treatment, if CA CHALI CN CO CR CU CZ DE DK DM DZ EC any, are specified between parentheses after the designation(s) concerned) EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW V-6 Precautionary Designation Statement In addition to the designations made under items V-1, V-2 and V-3, the applicant also makes under Rule 4.9(b) all designations which would be permitted under the PCT except any designation(s) of the State(s) indicated under item V-6 below. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. Exclusion(s) from precautionary NONE designations Priority claim of earlier national application VI-1-1 Filing date 07 November 2002 (07.11.2002) VI-1-2 Number 0225975.2 VI-1-3 Country GB International Searching Authority European Patent Office (EPO) (ISA/EP) Chosen





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PCT REQUEST

CE10098EP

Original (for SUBMISSION) - printed on Thursday, 05 November, 2003 04:42:47 PM

VIII	Declarations.	Number of declarations	
VIII-1	Declaration as to the identity of the inventor		
VIII-2	Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent	_	
VIII-3	Declaration as to the applicant's entitlement, as at the international filing date; to claim the priority of the earlier application		
VIII-4	Declaration of inventorship (only for the purposes of the designation of the United States of America)	-	
VIII-5	Declaration as to non-prejudicial disclosures or exceptions to lack of novelty	-	,
IX	Check list	number of sheets	electronic file(s) attached
IX-1	Request (Including declaration sheets)	5	-
IX-2	Description	26	spec10.pdf
IX-3	Claims	6	spec10.pdf
IX:4	Abstract	1	spec10.pdf
IX-2b	Pre-conversion archive		-
IX-5	Drawings	1	draw10.pdf
IX-7	TOTAL	39	
	Accompanying items	paper document(s) attached	electronic file(s) attached
IX-8	Fee calculation sheet		Fees. PDF
IX-19	Figure of the drawings which should accompany the abstract	1	
IX-20	Language of filing of the international application	English	

FOR RECEIVING OFFICE USE ONLY

10-1	Date of actual receipt of the purported international application	,		
10-2	Drawings:			
10-2-1	Received			•
10-2-2	Not received			
10-3	Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application	l		
10-4	Date of timely receipt of the required corrections under PCT Article 11(2)			
10-5	International Searching Authority	ISA/EP	· · · · · · · · · · · · · · · · · · ·	
10-6	Transmittal of search copy delayed until search fee is paid			





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PCT REQUEST

CE10098EP

Original (for SUBMISSION) - printed on Thursday, 06 November, 2003: 04:42:47 PM

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11-1	Date of receipt of the record copy by	
	the International Bureau	



From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF RECEIPT OF RECORD COPY & MAR 2004

(PCT Rule 24.2(a)) RECEIVE

LITCHFIELD, Laura
Motorola European Intellectual
Property Operations
Midpoint, Alencon Link
Basingstoke
Hampshire RG21 7PL

Date of mailing (day/month/year).

02 March 2004 (02.03:2004)

Applicant's or agent's file reference

CE10098EP

IMPORTANT NOTIFICATION

International application No.
PCT/EP2003/050798

The applicant is hereby notified that the international Bureau has received the record copy of the international application as detailed below.

Name(s) of the applicant(s) and State(s) for which they are applicants:

MOTOROLA INC (for all designated States except US)

WHINNETT, Nicholas et al (for US)

International filing date

Priority date(s) claimed

Date of receipt of the record copy by the International Bureau

List of designated Offices

07 November 2003 (07.11.2003)

United Kingdom

07 November 2002 (07.11.2002)

20 February 2004 (20.02.2004)

1 6 MAR 2004

AP:BW,GH,GM,KE,LS,MW,MZ,SD,SL,SZ,TZ,UG,ZM,ZW

EA:AM,AZ,BY,KG,KZ,MD,RU,TJ,TM

EP:AT,BE,BG,CH,CY,CZ,DE,DK,EE,ES,FI,FR,GB,GR,HU,IE,IT,LU,MC,NL,PT,RO,SE,SI,SK,TR

OA:BF,BJ,CF,CG,CI,CM,GA,GN,GQ,GW,ML,MR,NE,SN,TD,TG

National :AE,AG,AL,AM,AT,AU,AZ,BA,BB,BG,BR,BY,BZ,CA,CH,CN,CO,CR,CU,CZ,DE,DK,DM,DZ,

EC,EE,EG,ES,FI,GB,GD,GE,GH,GM,HR,HU,ID,IL,IN,IS,JP,KE,KG,KP,KR,KZ,LC,LK,LR,LS,LT,

LU,LV,MA,MD,MG,MK,MN,MW,MX,MZ,NI,NO,NZ,OM,PG,PH,PL,PT,RO,RU,SC,SD,SE,SG,SK,SL,SY,

TJ,TM,TN,TR,TT,TZ,UA,UG,US,UZ,VC,VN,YU,ZA,ZM,ZVETED

ATTENTION

The applicant should carefully check the data appearing in this hornication. In case of any discrepancy between these data and the indications in the international application, the applicant should immediately inform the international Bureau.

In addition, the applicant's attention is drawn to the information contained in the Annex, relating to:

X time limits for entry into the national phase, see updated important information (as of April 2002)

confirmation of precautionary designations (if applicable)

requirements regarding priority documents (if applicable)

A copy of this Notification is being sent to the receiving Office and to the International Searching Authority.

The International Bureau of WIPO 34, chemin des Colombattes 1211 Geneva 20, Switzerland Authorized officer:

Carole GAUD

Facsimile No. (41-22) 338-7080

Telephone No. (41-22) 338 8227



INFORMATION ON TIME LIMITS FOR ENTERING THE NATIONAL PHASE

The applicant is reminded that the "national phase" must be entered before each of the designated Offices indicated on the cover sheet of this Notification by paying national fees and furnishing translations, as prescribed by Articles 22 and 39 and the applicable national laws. In addition, the applicant may also have to comply with other special requirements applicable in certain Offices. It is the applicant's responsibility to ensure the necessary steps to enter the national phase are taken in a timely fashion. Most Offices do not issue reminders to applicants in connection with the entry into the national phase.

The applicable time limit for entering the national phase will, subject to what is said in the following paragraph, be 30 MONTHS from the priority date, not only in respect of any elected Office where a demand for international preliminary examination is filled before the expiration of 19 months from the priority date (see Article 39(1)), but also in respect of any designated Office, in the absence of filing of such demand, where Article22(1) as modified with effect from 1 April 2002 applies in respect of that designated Office. For further details, see PCT Gazette No. 44/2001 of 1 November 2001, pages 19928, 19932 and 19934, as well as the PCT Newsletter, October and November 2001 and February 2002 issues.

In practice, time limits other than the 30-month time limit will continue to apply, for various periods of time, in respect of certain designated or elected Offices. For regular updates on the applicable time limits (20, 21, 30 or 31 months, or other time limit), Office by Office, refer to the PCT Gezette ("Section IV" part published on a weekly basis), to the PCT Newsletter (on a monthly basis) and to the relevant National Chapters in Volume II of the PCT Applicant's Guide (the paper version of which is updated usually twice a year and the Internet version of which is updated usually on a weekly basis). Finally, a cumulative table of all applicable time limits for entering the national phase is available from WIPO's Internet site, via links from various pages the site including those of the Gazette, Newsletter and Guide, at: http://www.wipo.int/pct/en/index.html.

Information about the requirements for filing a demand for international preliminary examination is set out in the PCT Applicant's Guide, Volume I/A. Chapter IX. Note that only an applicant who is a national or resident of a PCT Contracting State which is bound by Chapter II has the right to file a demand for international preliminary examination (at present, all PCT Contracting States are bound by Chapter II).

CONFIRMATION OF PRECAUTIONARY DESIGNATIONS

This notification lists only specific designations made under Rule 4.9(a) in the request, it is important to check that these designations are correct. Errors in designations can be corrected where procautionary designations have been made under Rule 4.9(b). The applicant is hereby reminded that any precautionary designations may be confirmed according to Rule 4.9(c) before the expiration of 15 months from the priority date (this time limit may not be extended). If it is not confirmed, it will automatically be regarded as withdrawn by the applicant. There will be no reminder and no invitation. Confirmation of a designation consists of the filling of a notice specifying the designated State concerned (with indication of the kind of protection or treatment desired) and the payment of the designation and confirmation fees. The Notice of confirmation and payment must reach the receiving Office within the 15-month time limit.

REQUIREMENTS REGARDING PRIORITY DOCUMENTS

For applicants who have not yet complied with the requirements regarding priority documents, the following is recalled.

Where the priority of an earlier national, regional or international application is claimed, the applicant must submit a copy of the said earlier application, certified by the authority with which it was filed ("the priority document") to the receiving Office (which will transmit it to the International Bureau) or directly to the International Bureau, before the expiration of 16 months from the priority date, provided that any such priority document may still be submitted to the International Bureau before that date of international publication of the international application, in which case that document will be considered to have been received by the International Bureau on the last day of the 16-month time limit (Rule 17:1(a)).

Where the priority document is issued by the receiving Office, the applicant may, instead of submitting the priority document; request the receiving Office to prepare and transmit the priority document to the International Bureau. Such request must be made before the expiration of the 16-month time limit and may be subjected by the receiving Office to the payment of a fee (Rule 17.1(b)).

If the priority document concerned is not submitted to the international Bureau or if the request to the receiving Office to prepare and transmit the priority document has not been made (and the corresponding fee, if any, paid) within the applicable time limit indicated under the preceding paragraphs, any designated State may disregard the priority claim, provided that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within the time limit which is reasonable under the circumstances.

Where several priorities are claimed, the priority date to be considered for the purposes of computing the 16-month time. Ilimit is the filling date of the earliest application whose priority is claimed.

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING SUBMISSION OR TRANSMITTAL OF PRIORITY DOCUMENT

(PCT Administrative Instructions, Section 411)

To

LITCHFIELD, Laura
Motorola European Intellectual
Property Operations
Midpoint, Alencon Link
Basingstoke
Hampshire RG21:7PL
United Kingdom

Date of mailing (day/month/year) 02 March 2004 (02.03.2004)	IMPORTANT NOTIFICATION	
Applicant's or agent's file reference CE10098EP		
International application No. PCT/EP2003/050798	International filing date (day/month/year) 07 November 2003 (07.11.2003)	
International publication date (day/month/year). Not yet published	Priority date (day/month/year) 07 November 2002 (07.11.2002)	
Applicant MOTOROLA INC et al		

- 1. By means of this Form, which replaces any previously issued notification concerning submission or transmitted of priority documents, the applicant is hereby notified of the date of receipt by the international Bureau of the priority document(s) relating to all earlier application(s) whose priority is claimed. Unless otherwise indicated by the letters "NR", in the right-hand column or by an asterisk appearing next to a date of receipt, the priority document concerned was submitted or transmitted to the international Bureau in compliance with Rule 17.1(a) or (b).
- 2. (If applicable) The letters "NR" appearing in the right-hand column denote a priority document which, on the date of mailing of this Form, had not yet been received by the International Bureau under Rule 17.1(a) or (b). Where, under Rule 17.1(a), the priority document must be submitted by the applicant to the receiving Office on the International Bureau, but the applicant fails to submit the priority document within the applicable time limit under that Rule, the attention of the applicant is directed to Rule 17.1(c) which provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase; to furnish the priority document within a time limit which is reasonable under the circumstances.
- (If applicable) An asterisk(*) appearing next to a date of receipt, in the right-hand column, denotes a priority document submitted to the International Bureau but not in compliance with Rule 17.1(a) or (b) (the priority document was received after the time limit prescribed in Rule 17.1(a) or the request to prepare and transmit the priority document was submitted to the receiving Office after the applicable time limit under Rule 17.1(b)). Even though the priority document was not furnished in compliance with Rule 17.1(a) or (b), the international Bureau will nevertheless: transmit a copy of the document to the designated Office; for their consideration. In case such a copy is not accepted by the designated Office as priority document; Rule 17.1(c) provides that no designated Office may disregard the priority claim concerned before giving the applicant an opportunity, upon entry into the national phase, to furnish the priority document within a time limit which is reasonable under the circumstances.

16 MAR 2004

Priority date

Priority application No.

Country or regional Office or PCT receiving Office

Date of receipt of priority document

07 Nove 2002 (07.11.2002)

0225975.2

\GB

23 Dece 2003 (23.12.2003)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Authorized officer

Carole GAUD

Facsimile No. (41-22) 338-7080

Telephone No. (41-22) 338 8227



PATENT COOPERATION TRE

From the INTERNATIONAL SEARC	HING AUTHORITY		PCT
To: MOTOROLA EUROPEAN INTELE PROPERTY OPERATIONS		.No	OTIFICATION OF RECEIPT OF SEARCH COPY
Attn. Litchfield, Laura Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL UNITED KINGDOM	O 9 FEB 2	004 D	(PCT Rule:25:1)
	and a standard	Date of mailing (day/month/year)	05/02/2004
Applicant's or agent's file reference		IM	PORTANT NOTIFICATION
CE10098EP International application No.	and gravescape course or the course of		
PCT/EP 03/50798	International filing date(07/11/2003	Priority date (day/month/year)
Applicant.	<u> </u>	07/11/2005	07/11/2002
MOTOROLA INC		·	
. Where the International Searchi	ng Authority and the Base	hilas Office en mari	
The applicant is hereby notified the Searching Authority on the date in Where the International Searchle The applicant is hereby notified the	ng Authority and the Rece	lving Office are the a	
2. The search copy was accom	panied by a nucleotide and	or amino acid sequen	ce listing in computer readable form.
3. Time limit for establishment of ir	nternational Search Repor	! :	
The applicant is informed that the tree receipt indicated above or 9 month	ime limit for establishing the s from the priority date, whic	International Search (thever time limit expire	EIPD 10 FEB 2004 10 V 18 MAR 2004
A copy of this notification has been to the Receiving Office.	sent to the international Bu	reau and, where the fir	st sentence of paragraph 1 applies;
European Patent Office, P.B. NL-2280 HV Rijawijk Tel. (+31-70) 340-2040, Tx. 3 Fax: (+31-70) 340-3016	5818 Patentlaan 2	Authorized officer	ISA/EP



PATENT COOPERATION TR

From the INTERNATIONAL SEARCHING AUTHORITY	. PCT
То:	101
MOTOROLA EUROPEAN INTELLECTUAL PROPERTY OPERATIONS	
Attn. Litchfield, Laura Midpoint, Alencon Link,	COMMUNICATION IN CASES FOR WHICH
Basingstoke, Hampshire	NO OTHER FORM IS APPLICABLE
RG21 7PL	E CONDITION TO AFFEIGNDLE
UNITED KINGDOM 0.9 FEB 2004	
RECEIVED	Oate of mailing (day/month/year) 05/02/2004
Applicant's or agent's file reference	REPLY DUE
CE10098EP	See paragraph 1 below
International application No.	International filing date (day/month/year)
PCT/EP 03/50798	07/11/2003
Applicant	
HOTOROLA INC	
1. REPLY DUE within	days from the above date of mailing IPD
X NO REPLY DUE	11 0 FEB 2004
2. COMMUNICATION:	No rate Added (A)
The applicant is informed that establishment of the international a current search backlog.	search report (ISF) for non first fillings may be delayed due to
2 January 2002 - OJ EPO 8-9/2001, 373) not all PCT contract national laws and will for the time being continue to retract	CT Gazette 44/2001 Section IV) been set at 30 months from the priority date - see Rule 107 EPC as amended with effect from ng states have yet made the necessary changes to their entry to the national phase at 20/21 months from the priority of the priority date - see PCT Gazette TOT have the
and the preliminary examination fee due in respect of the demain within the time limit prescribed in Rules 57:3 and 58:1(b) PCT, por transmittal of the ISR; i.e., the EPO will only send an invitable	rovided that they are paid within one month from the date on pursuant to Rule 58 bis.1(a) PCT after expiry of this one-month and the applicant has not paid in full the amount due, the demand (b) (C) PCD. A loss of rights may well be the account due.
Note that if the competent IPEA chosen by the applicant is not if time limit prescribed in Rules 57.3 and 58.1 (b) PCT, the competitive after.	ne:EPO and if the fees mentioned above are not pald within the ent IPEA is entitled to apply Rule 58 <i>bis</i> :1(a) PCT immediately.
If your application is affected, we apologise for any inconvenience	e caused.
Finally, applicants are reminded that as of 3 January 2002 a retir	onalised PCT il procedure may apply, see OJ EPO 11/2001, 539 in an application which relates to no more than a method of doing in mind the restriction of the EPO's competitions of the EPO's competitions of the EPO's comp
Name and mailing address of the international Searching Authority	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2	
Tel. (+31-70) 340-2040, Tx. 31 651 epo ni,	ISA/EP



From the RECEIVING OFFICE

To:

Litchfield, Laura MOTOROLA EUROPEAN INTELLECTUAL PROPERTY OPERATIONS Midpoint, Alencon Link Basingstoke Hampshire RG21 7PL GRANDE BRETAGNE

PCT

NOTIFICATION OF THE INTERNATIONAL APPLICATION NUMBER AND OF THE INTERNATIONAL FILING DATE

(PCT Rule 20.5(c))

IMPORTANT NOTIFICATION

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18 DEC 2003

Applicant's or agent's file reference

PCT/EP 03/50798

CE 10098EP

International application No.

International filing date (day/month/year)

07/11/2003

Priority date (day|month|year): 07/11/2002

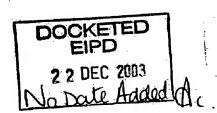
Applicant

MOTOROLA INC

Title of the invention

- 1. The applicant is hereby notified that the international application has been accorded the international application number and the international filling date indicated above.
- The applicant is further notified that the record copy of the international application was transmitted to the international Bureau on the above date of mailing.

·	1 1	Other	•



* The International Bureau monitors the transmittal of the record copy by the receiving Office and will notify the applicant (with Form PCT/IB/301) of its receipt. Should the record copy not have been received by the expiration of 14 months from the priority date, the International Bureau will notify the applicant (Rule 22.1(c)).

Name and mailing address of the Receiving Office
European Patent Office, P.B. 5818 Patentian 2

NL-2280 HV Rijswijk Tel. (+31-70) 340-2040 Fax: (+31-70) 340-3016 Authorized officer





FIGHT THE THE FERRAL HOMAL SEARCHING AUTHORIT	IATIONAL SEARCHING AUTHORITY
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To:

MOTOROLA EUROPEAN INTELLECTUAL PROPERTY OPERATIONS Attn. Litchfield, Laura Midpoint, Alencon Link, Basingstoke, Hampshire RG21 7PL

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT OR THE DECLARATION

(PCT Rule 44.1)

ONITED KINGDOM		
		Date of mailing (day/month/year) 08/04/2004
Applicant's or agent's file reference		
CE10098EP	EIPD	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No.		International filing date
PCT/EP 03/50798	13 APR 2004	(da)/month/year) 07/11/2003
Applicant	RECEIVED	<i>j</i>
MOTOROLA INC	RECEIVED	

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1.	x	The applicant	l is hereby n	olified that the intern	ational Search Rep	ort has been est	ablished and Is t	ransmitted herewi	th.
			-	nd statement under	·				
		The applicant	is entitled,	if he so wishes, to an	nend the claims of	the international	Application (see	Rule 46):	
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		For more de	tailed instri	ictions, see the note	s on the accompan	wine sheet			
		Nan Habita			o on an accompa	iying oncor.	AMN (180 male	7
2.	$\dot{\Box}$	The applicant	is hereby n	otified that no Intern	ational Search Bon	ort will be actabli	chod and that th	in dontaintin	
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3:	\Box	With regard	to the prote	st against payment	of (an) additional fe	e(s) under Rule	40.2. the applica	ant is notified that:	
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		no decis	sion has bee	n made yet on the pi	otest; the applican	t will be notified a	s soon as a dec	ision is made.	
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	Short	tly after 18 mo	nths from t	ne priority date, the ir	iternational applica	tion will be publis	hed by the Inter	national Bureau.	
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	pric	ority claim, mu	st reach the	International Bureau	as provided in Ru	les 90 <i>bis</i> 1 and 9	Obis.3, respectiv	ely, before the	
	CON	npletion of the	technical p	eparations for interna	ational publication.		,		
	With	n 19 months	from the orio	ority date, a demand	for international ore	Ilminan evamina	tion must be file	d if the applicant	
	wis	hes to postpor	e the entry	into the national pha-	se until 30 months	from the priority of	late (in some O	lices even later).	
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	pric	vitu dale or co	uld not be e	lected because they	are not bound by C	hand or manater	election within.	is mount now the	5 .

Name and mailing address of the International Searching Authority



European Patent Office, P.B. 5818 Patentiaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nt, Fax: (+31-70) 340-3016 Authorized officer

Carole Emery





These Notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty, the Regulations and the Administrative Instructions under that Treaty, in case of discrepancy between these Notes and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these Notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT Administrative Instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international publication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

Under Article 19, only the claims may be amended.

During the international phase, the claims may also be amended (or further amended) under Article 34 before the International Preliminary Examining Authority. The description and drawings may only be amended under Article 34 before the International Examining Authority.

Upon entry into the national phase, all parts of the international application may be amended under Article 28. or; where applicable, Article 41.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments will be considered as having been received on time if they are received by the international Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been its filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

All the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consocutively (Administrative Instructions, Section 205(b)).

The amendments must be made in the language in which the international application is to be published.

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims, it should not be confused with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must be in English or French, at the choice of the applicant. However, if the language of the international application is English, the letter must be in English; if the language of the international application is French, the letter must be in French.

The letter must indicate the differences between the claims as filed and the claims as amended, it must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed:

The following examples illustrate the manner in which amendments must be explained in the accompanying letter:

- (Where originally there were 48 claims and after amendment of some claims there are 51):
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims bearing the same numbers; claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were 14 claims and the amendments consist in cancelling some claims and in adding new claims];
 "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added; all other claims unchanged."
- 4. [Where various kinds of amendments are made]: "Claims 1-10 unchanged; claims 11 to 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings (which cannot be amended under Article 19(1)).

The statement will be published with the international application and the amended claims.

it must be in the language in which the international appplication is to be published.

It must be brief, not exceeding 500 words if in English or if translated into English.

It should not be confused with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by a heading, preferably by using the words "Statement under Article 19(1)."

It may not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

Consequence if a demand for international preliminary examination has already been filed

If; at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence):

Consequence with regard to translation of the international application for entry into the national phase

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's



(PCT Article 18 and Rules 43 and 44)

pplicant's or agent's file reference.	FOR FURTHER See Notification (Form PCT/ISA)	of Transmittal of International Search Report 220) as well as, where applicable, item;5 below.
ternational application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
CT/EP 03/50798	07/11/2003	07/11/2002
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OTOROLA INC		·
This International Search Poport has be	Constitution of the third behavior of Constitution A.	Alexander - Lea to Alexander a restanción - Lea a la companya de l
according to Article 18: A copy is being	een prepared by this International Searching Autransmitted to the International Bureau.	mority and is transmitted to the applicant
his International Search Report consis	its of a total of4 sheets:	
	by a copy of each prior art document cited in this	s:report.
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. Basis of the report.		
a. With regard to the language, the language in which it was filed, u	e international search was carried out on the ba inless otherwise indicated under this item.	sis of the international application in the
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	to this Authority in computer readble form.	
the statement that the s international application	ubsequently furnished written sequence listing a as filed has been furnished.	does not go beyond the disclosure in the
the statement that the in furnished	formation recorded in computer readable form	is identical to the written sequence listing has been
Certain claims were fo	ound unsearchable (See Box.).	
Unity of invention is la	ncking (see Box II).	
With regard to the title,	•	•
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	lished by this Authority to read as follows:	
	TH LIKELIHOOD WEIGHTING	
With regard to the abstract,		
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	lished, according to Rule 38.2(b), by this Author he date of mailing of this international search re	ity as it appears in Box III. The applicant may,
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EP 03/50798

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A. CLASSIF	ILA HUN	OF SUBJECT	I EH
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system) followed by classification symbols) IPC 7 - H04L

Documentation searched other than minimum documentation to the extent that such documents are included in the flaids searched

Electronic data base consulted during the international search (name of data base and; where practical; search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

C: DOC	UMENTS CONSIDERED	TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
Ŷ	EP 1 063 776 A (FUJITSU LTD) 27 December 2000 (2000-12-27) column 7, paragraph 51 column 12, paragraph 102 column 13, paragraph 105 -column 14, paragraph 111 column 15, paragraphs 119,121 column 16, paragraph 134 -column 17, paragraph 134 column 19, paragraph 153 -column 20, paragraph 153 figures 3,5-7	1-30

X Further documents are fisled in the continuation of box C	Patent family members are listed in annex.
Special categories of clied documents: "A" document defining the general state of the lart which is not considered to be of particular relevance. "E" earlier document but published on or after the international filling date. "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified). "O" document referring to an oral disclosure, use, exhibition or other moans. "P" document published prior to the international filling date but later than the priority date claimed.	 "T" later document published after the international filing date or priority date and not in conflict with the application but clied to understand the principle or theory underlying the invention. "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone. "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive, step when the document is combined with one or more other, such document is combined with one or more other, such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
1 April 2004	08/04/2004
Name and malling address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx; 31 651 epo nl. Fax; (+31-70) 340-3016	Papantoniou, A

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EP 03/50798

	Citation of classificant units invited for subsequents of the relevant	Towns S
Category, °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	HAGENAUER J: "SOURCE-CONTROLLED CHANNEL DECODING" IEEE TRANSACTIONS ON COMMUNICATIONS, IEEE INC. NEW YORK, US, vol. 43, no. 9, 1 September 1995 (1995-09-01), pages 2449-2457, XP000525669 ISSN: 0090-6778 page 2451, right-hand column, line 19 - line 36 page 2453, right-hand column, line 12 - line 33 page 2454, right-hand column, line 2 -page 2455, left-hand column, line 3; figure 6	1,3,4, 18-20, 24,27-30
(WO 01 43294 A (SIEMENS AG ;XU WEN (DE)) 14 June 2001 (2001-06-14)	1-4, 18-24, 27-30
	page 5, line 4 - line 8 page 6, line 15 - line 32 page 7, line 14 - line 29 page 11, line 5 - line 22 page 9, line 6 - line 16 page 12, line 5 - line 34	
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tormation on patent family members

EP 03/50798

Patent document died in search report		Publication date		Patent family member(s)	Publication date
EP 1063776	Α	27-12-2000	JP.	2001007711 A	12-01-2001
			EP	1063776 A2	27-12-2000
			US	6526539 B1	25-02-2003
WO 0143294	Α	14-06-2001	DE	19959178 A1	13-06-2001
•		•	CN	1433590 T	30-07-2003
•		•	WO	0143294 A1	14-06-2001
			DE	50003233 D1	11-09-2003
			EP.	1252716 A1	30-10-2002
			US	6677865 B1	13-01-2004

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